

-continued

[illegible]

( 2 ) INFORMATION FOR SEQ ID NO:4:

( i ) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 491 amino acids

( B ) TYPE: amino acid

( D ) TOPOLOGY: Euclidean

( i i ) MOLECULE TYPE: protein

( x i ) SEQUENCE DESCRIPTION: SBQ ID NO:4:

Met	Lys	Arg	Met	Val	Ser	Trp	Ser	Phe	His	Lys	Leu	Lys	Thr	Mat	Lys
1				5					10					15	
His	Leu	Leu	Leu	Leu	Leu	Cys	Val	Phe	Leu	Val	Lys	Ser	Glu	Gly	
			20				25					30			
Val	Asp	Asp	Asa	Glu	Glu	Gly	Phe	Ser	Ala	Arg	Gly	His	Arg	Pro	
	35						40				45				
Leu	Asp	Lys	Lys	Arg	Glu	Glu	Ala	Phe	Ser	Leu	Arg	Pro	Ala	Pro	Pro
	50					55				60					
Pro	Ile	Ser	Gly	Gly	Gly	Tyr	Arg	Ala	Arg	Pro	Ala	Lys	Ala	Ala	Ala
	65				70					75					80
Thr	Glu	Lys	Lys	Val	Glu	Arg	Lys	Ala	Phe	Asp	Ala	Gly	Gly	Cys	Leu
			85						90					95	
His	Ala	Asp	Pro	Asp	Leu	Gly	Val	Leu	Cys	Phe	Thr	Gly	Cys	Glu	Leu
			100					105					110		
Glu	Glu	Ala	Leu	Leu	Glu	Glu	Glu	Pro	Ile	Arg	Asa	Ser	Val	Asp	
		115					120				125				
Glu	Leu	Asa	Asa	Asa	Val	Glu	Ala	Val	Ser	Glu	Thr	Ser	Ser	Ser	Ser
	130				135						140				
Phe	Glu	Tyr	Mat	Tyr	Leu	Leu	Lys	Asp	Leu	Trp	Glu	Lys	Arg	Glu	Lys
	145				150				155						160
Glu	Val	Lys	Asp	Asa	Glu	Asa	Val	Val	Asa	Glu	Tyr	Ser	Ser	Glu	Leu
			165						170					175	